

APPLICATION FOR CONSTRUCTION PERMIT  
WHSR, POMPAÑO BEACH, FLORIDA  
980 KHZ. 5.0/2.2 KW DA-2

**ENGINEERING STATEMENT "ENG. ST."**

This Engineering Exhibit has been prepared on behalf of HMS Broadcasting, Inc., licensee of WHSR, Pompano Beach, Florida. WHSR currently is licensed to operate on 980 kilohertz with 5000 watts directional during daytime hours and 1000 watts non-directional during nighttime hours from a separate transmitter site. This application is to move the nighttime site to the licensed daytime site, increase the nighttime power to 2200 watts and use a directional antenna during nighttime hours. There are no changes proposed in the licensed daytime operation. Allocation studies revealed that the proposed nighttime operation would not create interference to any authorized or proposed stations greater than that which now exists. WHSR does not enter into the 50% nighttime limits of any domestic stations. Allocation studies are included in this exhibit. The RSS of co-channel Class B stations are not increased. M-3 conductivities are used in determining distances to contours for all groundwave contours.

The proposed nighttime site is also the site of co-owned WSBR, 740 kilohertz. The unused towers will be detuned during the time they are not being used at either 740 or 980 kilohertz. The necessary filtering equipment will be installed so the nighttime operation can co-exist. WSBR and WHSR currently both operate from the site during daytime hours without any problems.

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The WHSR Studio is located in Boca Raton, Florida. The entire city of Boca Raton is within the daytime 5.0 mV/m contour. The second and third adjacent channels were studied and there are no stations nearby that require groundwave protection. The entire city of Pompano Beach is located within the nighttime interference free contour (7.67 mV/m) of WHSR.

Nighttime Channel Studies were conducted on 980 kilohertz and the adjacent channels to determine the nighttime limitations. The WHSR 50% night limit is 7.67 mV/m and is made up of contributions from WTEM, HJNL and HOR-57. The 25% night limit is 10.71 mV/m. Exhibit 10 contains RSS studies of the stations that may be impacted by the WHSR operations. Cuban stations were not included in the RSS calculations for domestic stations, but CMBU, Havana was protected to the existing level from WHSR.

The proposed facility was evaluated in terms of potential Radio Frequency radiation exposure at ground level in accordance with OET Bulletin No. 65, "Evaluating Compliance with FCC-Specified Guidelines for Human Exposure to Radio Frequency Radiation". The applicant will restrict the area around the new tower with a fence that is a minimum of 4 meters to the tower structure. Since the new tower will only be used for WHSR, it was assumed to have a "worst case" of 2.2 kilowatts of power. Measurements have been made at the existing WHSR-WSBR towers and the RF Hazard areas are within the fenced area. Measurements will be taken before program test authority begins to assure that the site continues to meet the requirements. The appropriate RF Hazard

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warning signs will be posted at the site. Operation will be terminated, or power reduced to a safe level, when maintenance is being performed at the tower to protect personnel.

**AFFIDAVIT**

State of Florida       )  
                                  )  
County of Palm Beach)       SS:

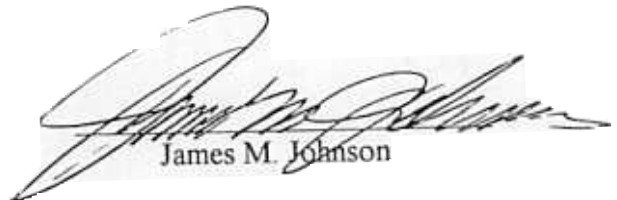
James M. Johnson, having been duly sworn, deposes and says that

He is a Broadcasting Consultant practicing in the City of Palm Beach Gardens, Florida, and his qualifications are a matter of record with the Federal Communications Commission.

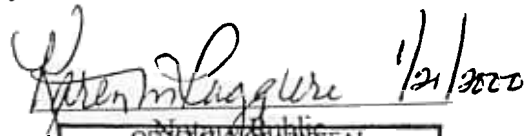
2       He has been retained by HMS Broadcasting, Inc. to prepare the attached Engineering Exhibit.

3       He has prepared, or caused to be prepared under his immediate supervision, the accompanying exhibits which are attached to and form part of this affidavit

4       The foregoing statements and the aforementioned exhibits are true to the best of his knowledge and belief.

  
James M. Johnson

Subscribed and sworn to this 21<sup>st</sup> day of January, 2000.

  
OFFICIAL NOTARY SEAL  
KAREN M. RUGGIERE  
NOTARY PUBLIC STATE OF FLORIDA  
COMMISSION NO. CC815326  
MY COMMISSION EXP. MAR. 24, 2003